

# NPS / UCLA CLIMATE CHANGE WORKSHOP: Developing a Collaborative Science Agenda for California Coastal Parks

April 27-28, 2011  
Kerckhoff Hall, UCLA



**UCLA** Institute of the Environment and Sustainability

UCLA La Kretz Center for  
California Conservation Science





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Mediterranean Coast Network  
NPS Inventory & Monitoring  
Program

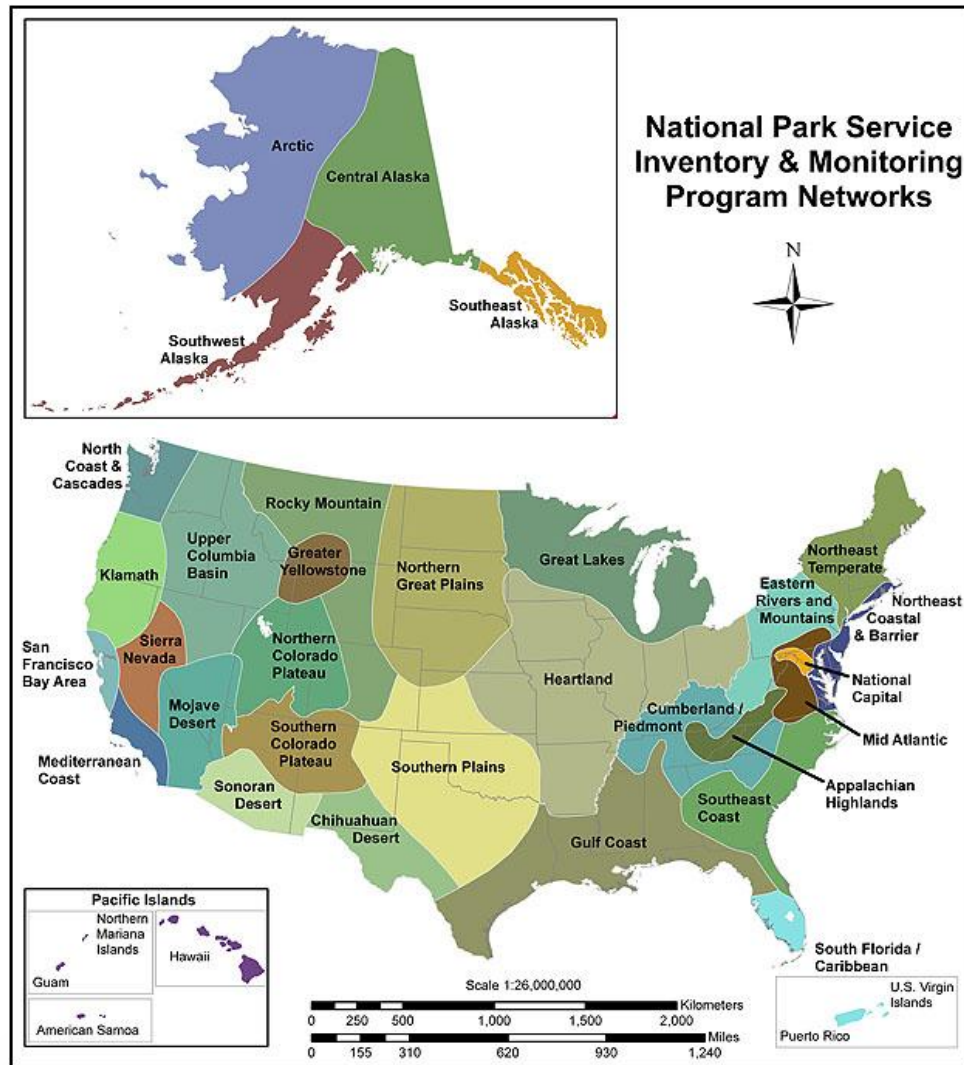




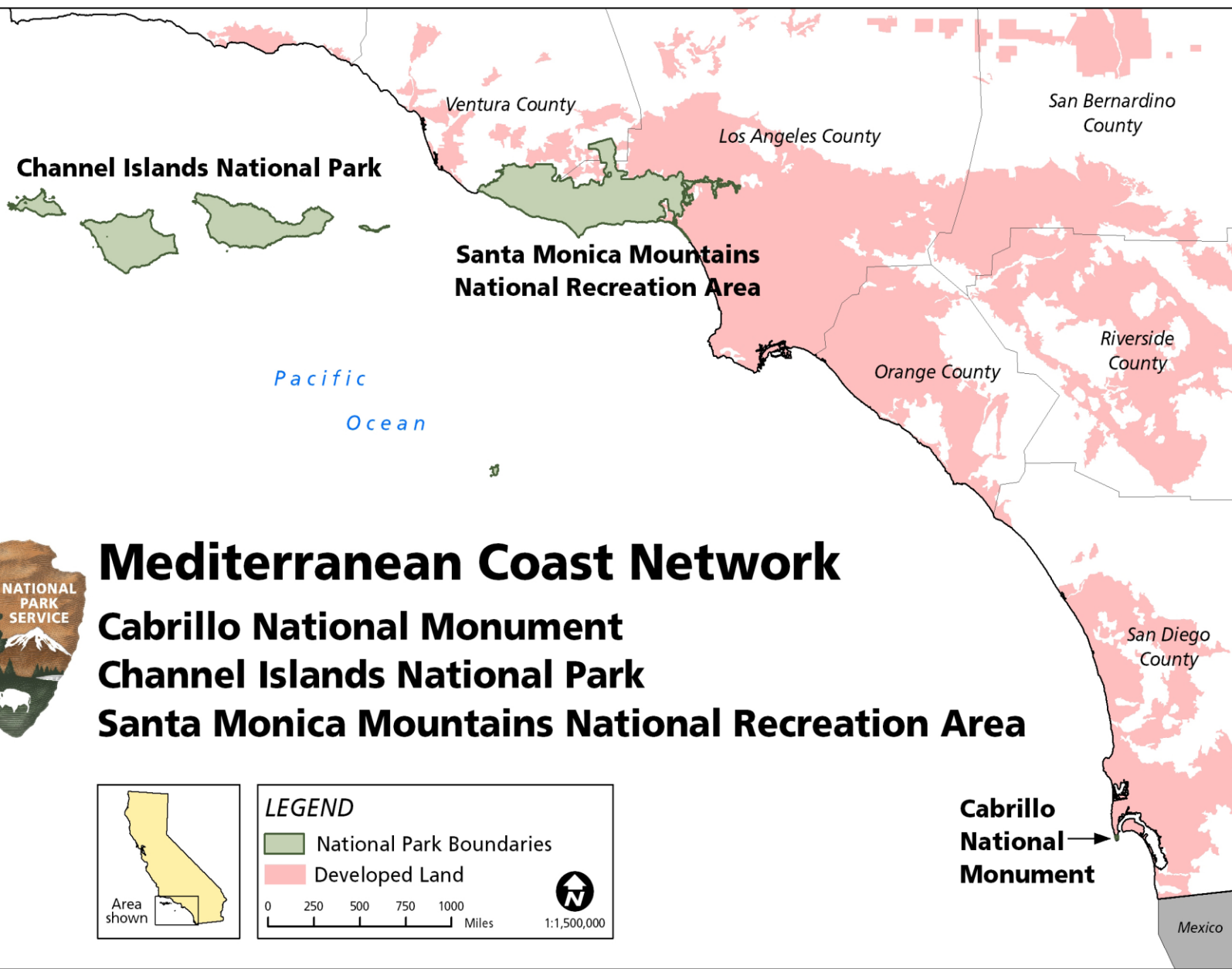
# Overarching goals of the I&M program

- Determine status and trends in selected indicators of the condition of park ecosystems to allow managers to make better-informed decisions
- Provide early warning of abnormal conditions of selected resources
- Provide data to better understand the dynamic nature and condition of park ecosystems and to provide reference points for comparisons with altered environments

# Inventory & Monitoring Program



- 270+ parks grouped into 32 networks
- MEDN funded in 2000
- CHIS prototype park funded in 1993



**Channel Islands National Park**

Ventura County

Los Angeles County

San Bernardino  
County

**Santa Monica Mountains  
National Recreation Area**

Pacific  
Ocean

Orange County

Riverside  
County

San Diego  
County



# Mediterranean Coast Network

**Cabrillo National Monument**

**Channel Islands National Park**

**Santa Monica Mountains National Recreation Area**

**Cabrillo  
National  
Monument** →

Mexico



## LEGEND

■ National Park Boundaries

■ Developed Land

0 250 500 750 1000  
Miles



1:1,500,000

## MEDN Vital Signs\*

Aquatic amphibians  
Deer mouse  
Fresh water quality  
Invasive plants  
Island fox  
Kelp forest communities  
Landbirds  
Landscape dynamics  
Marine water quality  
Native plant communities  
Pinnipeds  
Rocky intertidal communities  
Sand beaches and lagoons  
Sea birds  
Terrestrial herpetofauna  
Weather and climate

15/16 protocols being revised



# Objectives for the Workshop

- Educate park staff regarding CC
- Develop collaborative relationships
- Identify and prioritize research and monitoring needs
- Contribute to the development of a cohesive and collaborative science agenda for southern CA coastal parks





**UCLA** Institute of the Environment and Sustainability

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UCLA La Kretz Center for  
California Conservation Science

**Felicia Federico, D.Env**

*Executive Director*

UCLA La Kretz Center  
for California Conservation  
Science

# UCLA La Kretz Center for California Conservation Science

- Housed within the Institute of the Environment and Sustainability
- Mission: to preserve California's biodiversity and ecosystems through research, education and public programs, in partnership with
  - The National Park Service
  - California State Parks
  - The Mountains Recreation and Conservation Authority
- See handout at back

# UCLA La Kretz Center – Cooperative Research Program

- Currently under development
- Objective is to prioritize research activities
  - Meet urgent needs of Park managers
  - Match capabilities and interests of UCLA faculty
  - Identify collaborations with other universities as appropriate
- Will incorporate the output from this workshop

# Workshop Agenda

- Day One: focus on education
  - Stellar line-up of presenters from UCLA, Scripps, Berkeley, Western Region Climate Center, National Phenology Network
    - Climate → California → Southern CA
    - Observed and predicted impacts on terrestrial plants, wildlife, marine organisms, watershed processes
    - Data and analysis tools, phenology monitoring
- Day Two:
  - NPS perspective, ongoing programs, potential funding
  - Breakout sessions to develop research priorities and identify additional monitoring
- Tight schedule- please keep to agenda timeline!
- Please see package for map / bathroom locations



**Paul Bunje, PhD**  
*Executive Director*  
UCLA Center for  
Climate Change Solutions

# UCLA Center for Climate Change Solutions

- Alex Hall – Faculty Director
- Paul Bunje – Executive Director
- Steering Committee guides and directs the actions



# The Mission

To *operate at the intersection* of science and policy

To *employ and serve* researchers and decision-makers

To *develop and communicate* effective solutions to the challenges of climate change

To build bridges *within and between* institutions



# Breakout Sessions

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- 5 groups
  - Plants
  - Wildlife
  - Marine
  - Climate
  - Watershed Processes
- Objectives
- Process
- If you think you should be in a different group, please contact one of us during the breaks or lunch



# Workshop Products

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- Prioritized list of research projects
- Recommendations for additional I&M elements
- Summary of available / potential funding and resources
- Presentations will be posted on website

# Networking

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- Please join us for dinner and fun this evening!
- There will be a bar starting at 5:00, and buffet dinner will be served here starting at 5:30